Woodward Woodward Series Service Manual

5466-348

1. Description

"SPECIFICATIONS

3. Product Information

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Part Number: 5466-348

Manufacturer: Woodward

Product type: Netcon SIO Module

Rate Group: One driver per port, 5 milliseconds

Protoco:l RS-485 UART

Baud Rate: 417 kbaud

Parity: None

Data Bits: 8

Stop Bit: 1

Country of Manufacture: United States (USA)

Functional Description

5466-348 is a Netcon SIO Module developed by Woodward. SIO Module is equipped with three RS-485 ports. Each port is intended for use with EM or GS/LQ Digital Actuator Drivers. Every 5 ms, one driver is allowed for each port. The address switches of each driver must match the driver number in the GAP application program. The Universal Digital Drivers' RS-485 communications can be used for monitoring or control.

Features

With one driver per port, the update rate for critical parameters is 5 ms.

Interface for Digital Actuator Drivers

Each RS-485 port can operate at a different rate group.

Each driver's communication fault is detected, and drivers with comm faults are disabled.

Remote monitoring of driver parameters

Remote driver parameter configuration

Allows the drivers to issue a fast and very accurate position command (16 bits, no noise)

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Application

It can send position demand and configuration information to the driver while also monitoring the driver status outputs.

It is capable of configuring the driver and monitoring the status outputs, but not of sending a position demand. The demand for driver position would come from a 4- 20 mA input or the CAN bus interface.

It can be used to monitor the driver's status outputs but not to configure or send a position demand to the driver. The driver position demand could be generated by a 4-20 mA input or by the CAN bus interface, and the configuration input could be generated by RS-232 or by the CAN bus interface."